

**BEFORE THE FLORIDA
PUBLIC SERVICE COMMISSION**

**ORIGINAL
FILE COPY**

**DOCKET NO. 960001-EI
FLORIDA POWER & LIGHT COMPANY**

JUNE 24, 1996

**GENERATING PERFORMANCE
INCENTIVE FACTOR**

OCTOBER 1996 THROUGH SEPTEMBER 1997

TESTIMONY & EXHIBITS OF:

R. SILVA

DOCUMENT NUMBER-DATE

06775 JUN 24 96

FPSC-RECORDS/REPORTING

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

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FLORIDA POWER & LIGHT COMPANY

TESTIMONY OF R. SILVA

DOCKET NO. 960001-EI

JUNE 24, 1996

- 1 Q. Please state your name and business address.
- 2 A. My name is Rene Silva and my business address is 9250 W. Flagler
3 Street, Miami, Florida 33174.
4
- 5 Q. Mr. Silva, would you please state your present position with Florida
6 Power and Light Company (FPL).
- 7 A. I am the Manager of Forecasting and Regulatory Response for the
8 Power Generation Business Unit of FPL.
9
- 10 Q. Mr. Silva, have you previously had testimony presented in this docket?
- 11 A. Yes, I have.
12
- 13 Q. Mr. Silva, what is the purpose of your testimony?
- 14 A. The purpose of my testimony is to present the target unit average net
15 operating heat rates and target unit equivalent availabilities for the
16 period October, 1996 through September, 1997, for use in determining
17 the Generating Performance Incentive Factor (GPIF). The
18 improvement and degradation range for each performance indicator is
19 also presented in this testimony.

1 Q. Has the Company made any changes to the Generating Performance
2 Incentive Factor being proposed ?

3 A. Yes, we have. The Company is proposing that the Generating
4 Performance Incentive Factor be filed on an annual basis instead of the
5 current six-month period filing. The amount of paperwork produced,
6 filed and processed will be greatly reduced as a result of this effort.

7
8 Q. Mr. Silva could you please summarize what the FPL system targets are
9 for Equivalent Availability Factor (EAF) and Average Net Operating
10 Heat Rate (ANOHR).

11 A. FPL projects a weighted system equivalent planned outage factor of
12 5.6% and a weighted system equivalent unplanned outage factor of
13 12.4% which yield a weighted system equivalent availability of 82.0%.
14 This target includes the refueling of two nuclear units during the
15 October, 1996 through September, 1997 period. FPL also projects a
16 weighted system average net operating heat rate of 9762 BTU/KWH.
17 As discussed in later in this testimony, these targets represent fair and
18 reasonable values when compared to historical data . I therefore ask
19 that the targets for these performance indicators and the respective
20 improvement/degradation ranges in my testimony be approved by the
21 Commission for FPL.

22
23 Q. Have you prepared, or caused to have prepared under your direction,
24 supervision or control, an exhibit in this proceeding?

1 A. Yes, I have. It consists of one document. The first page of this
2 document is an index to the contents of the document. All other pages
3 are numbered according to the latest revisions of the GPIF Manual as
4 approved by the Commission.
5

6 Q. Have you established target levels of performance for the units to be
7 considered in establishing the GPIF for FPL?

8 A. Yes, I have. Document No. 1, pages 6 and 7 contain the information
9 summarizing the targets and ranges for unit equivalent availability and
10 average net operating heat rates for the sixteen (16) generating units
11 which FPL proposes to have considered. These sheets were prepared in
12 accordance with the latest revisions of the GPIF Manual, except that,
13 for consistency with previous GPIF filings, it is necessary to divide the
14 format of Sheet 3.505 of the GPIF Manual into two sheets. All of these
15 targets have been derived utilizing methodologies as adopted in Section
16 4, Subsection 2.3 of the GPIF Manual.
17

18 Q. Please summarize FPL's methodology for determining equivalent
19 availability targets?

20 A. The GPIF Manual requires that the equivalent availability target for
21 each unit be determined as the difference between 100% and the sum
22 of the Planned Outage Factor (POF) and the Unplanned Outage Factor
23 (UOF). The POF for each unit is determined by the length of the
24 planned outage during the projected period. The GPIF Manual also
25 requires that the sum of the most recent twelve month ending average

1 forced outage factor (FOF) and maintenance outage factor (MOF) be
2 used as the starting value for the determination of the target unplanned
3 outage factor (UOF). The UOF is then adjusted to reflect recent
4 monthly performance and known modifications or changes in
5 equipment.

6
7 For most units in the GPIF this adjustment is usually done for units
8 which had or are forecast to have planned outages. When a unit is in a
9 planned outage state the unit cannot incur an unplanned outage. For
10 this reason, when historical data, which contains a planned outage, is
11 used for developing targets, the UOF will be lower than if the unit had
12 operated the entire period. To account for this, the historical UOF is
13 increased in proportion to the planned outage duration for that period.
14 Similarly, if a unit is forecast to have a planned outage in the projection
15 period the adjusted historical UOF will be higher than it should
16 because it will not be exposed to unplanned outages for the entire
17 period. In this case the UOF is reduced in proportion to the forecast
18 planned outage duration.

19
20 Q. Mr. Silva, were the EAF targets for the GPIF units determined using
21 the methodology as described in the GPIF Operating Manual?

22 A. Yes.

23
24 Q. How did you select the units to be considered when establishing the
25 GPIF for FPL?

1 A. The sixteen (16) units which FPL proposes to use represent the top
2 80.48% of the forecast system net generation for the October, 1996
3 through September, 1997 period. These units were selected in
4 accordance with the GPIF Manual Section 3.1 using the estimated net
5 generation for each unit taken from the production costing simulation
6 program, POWRSYM, which forms the basis for the projected
7 levelized fuel cost recovery factor for the period.

8
9 Q. Mr. Silva, from the heat rate targets and equivalent availability range
10 projections, do FPL's generation performance targets represent a
11 reasonable level of efficiency?

12 A. Yes. To fully appreciate why these targets are reasonable, and in some
13 cases ambitious, it would be necessary to discuss the development of
14 both the heat rate and availability targets for each of the sixteen (16)
15 units in the GPIF. However, a less rigorous approach of comparing
16 weighted system values of these targets to actual values for prior
17 periods will provide a valuable insight into the appropriateness of the
18 targets.

19 Q. Does this conclude your testimony?

20 A. Yes, it does.

DOCUMENT NO. 1

WITNESS: R. SILVA

DOCKET NO. 960001-E1

GENERATING PERFORMANCE INCENTIVE FACTOR

OCTOBER, 1996 THROUGH SEPTEMBER, 1997

DOCUMENT NUMBER 1 INDEX

FLORIDA POWER & LIGHT COMPANY

PERIOD OF: OCTOBER, 1996 THROUGH SEPTEMBER, 1997

<u>DOCUMENT</u>	<u>INDEX OF MANUAL PAGES</u>	<u>TITLE</u>
1	7.201.001	Index of Manual Pages
	7.201.002 to 7.201.003	Generating Unit Selection Criteria
	7.201.004	GPIF Reward/(Penalty) Table (Estimated)
	7.201.005	GPIF Calculation of Maximum Allowed Dollars (Estimated)
	7.201.006 and 7.201.007	GPIF Target and Range Summary
	7.201.008	GPIF Predicted Unit Heat Rate Equations
	7.201.009	Derrivation of Waiting Factors
	7.201.010	Estimated Unit Performance Data
	7.201.011 through 7.201.026	Unit MOF and FOF versus Time Graphs
	7.201.027	Planned Outage Schedules

Table 20
POWRSYM Projected System Generation
Period Of: October 1996 Through September 1997

<u>Name</u>	<u>Unit</u>	<u>Capacity (MW)</u>	<u>Service Hours</u>	<u>Net Output MMH</u>	<u>NCF %</u>	<u>% of Total Output</u>	<u>Cumulative % of Total Output</u>	<u>Production Cost (\$000)</u>
St. Lucie	1	839	8180	6912726	100.7	10.08	10.08	26534
Turkey Point	4	697	7991	5686470	100.3	8.15	18.23	18968
St. Lucie	2	714	7199	5182231	100.8	7.56	25.79	21277
Turkey Point	3	697	7272	5073342	100.1	7.40	33.19	17514
Scherer	4	605	7841	4447427	93.8	6.49	39.67	60369
Marlin	3	430	8470	3730476	102.4	5.44	45.11	44183
Marlin	4	430	8460	3714813	101.8	5.42	50.53	43948
R. Lauderdale	5	430	7957	3482666	101.7	5.08	55.61	43654
R. Lauderdale	4	430	7902	3442108	101.3	5.02	60.63	43546
Port Everglades	3	391	7337	2379239	82.9	3.47	64.10	52945
R Myers	2	391	6297	2181888	97.8	3.15	67.25	51387
Cape Canaveral	1	402	6662	2074821	75.2	3.03	70.28	34574
Cape Canaveral	2	400	6246	1957635	78.4	2.86	73.14	35373
Pulham	1	239	7355	1763088	100.3	2.57	75.71	23798
Port Everglades	4	403	6662	1704022	74.8	2.49	78.19	42463
Pulham	2	239	6751	1568481	97.2	2.29	80.48	21265
Turkey Point	2	400	5066	1563401	76.8	2.27	82.75	39049
Minalee	2	798	2820	1437942	68.8	2.10	84.84	38832
Turkey Point	1	403	4365	1308891	74.5	1.91	86.75	33651
Riviera	3	290	5329	1202047	77.8	1.75	88.51	19540
Sanford	5	360	3980	1193671	77.3	1.74	90.25	24232
St. Johns River	2	116	8760	1010040	99.4	1.47	91.72	19823
Riviera	4	290	4600	1008821	75.5	1.47	93.19	16673
Sanford	4	360	3710	990123	68.4	1.44	94.63	25903
St. Johns River	1	116	8016	920883	99.0	1.34	95.98	14640
Minalee	1	798	1482	660205	58.4	1.01	96.98	18994
Marlin	2	814	1109	519113	57.5	0.76	97.74	14654
R Myers	1	143	4137	453307	76.6	0.66	98.40	11653
Port Everglades	2	212	2787	436669	73.7	0.64	99.04	11877
Port Everglades	1	211	2468	378352	72.7	0.55	99.59	10437
Marlin	1	814	419	169022	48.7	0.24	99.83	4932
Sanford	3	145	759	82329	74.8	0.12	99.95	2260
R Myers GT	(1-12)	554	34	18411	96.0	0.03	99.98	1149
Outler	6	144	98	6991	49.5	0.01	99.99	117
Port Everglades GT	(1-12)	348	10	3309	95.1	0.00	99.99	92
Outler	5	71	69	3242	66.2	0.00	99.99	54
R. Lauderdale GT	(1-24)	666	3	2180	104.4	0.00	100.00	51
TOTALS				<u>6666584</u>		<u>100.00</u>	<u>100.00</u>	<u>905794</u>

TABLE 3.0

FLORIDA POWER & LIGHT COMPANY
UNITS TO BE USED TO DETERMINE THE
GENERATING PERFORMANCE INCENTIVE FACTOR

PERIOD OF: OCTOBER, 1996 THROUGH SEPTEMBER, 1997

Cape Canaveral Unit No. 1
Cape Canaveral Unit No. 2

Ft. Lauderdale Unit No. 4
Ft. Lauderdale Unit No. 5

Ft. Myers Unit No. 2

Martin Unit No. 3
Martin Unit No. 4

Port Everglades Unit No. 3
Port Everglades Unit No. 4

Putnam Unit No. 1
Putnam Unit No. 2

Turkey Point Unit No. 3
Turkey Point Unit No. 4

St. Lucie Unit No. 1
St. Lucie Unit No. 2

Scherer Unit No. 4

GENERATING PERFORMANCE INCENTIVE FACTOR

REWARD/PENALTY TABLE (ESTIMATED)

FLORIDA POWER & LIGHT COMPANY
 PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

Generating Performance Incentive Points (GPIF)	Fuel Savings/(Loss) (\$000)	Generating Performance Incentive Factor (\$000)
+ 10	33,479.00	19,132.89
+ 9	30,131.10	17,219.60
+ 8	26,783.20	15,306.31
+ 7	23,435.30	13,393.02
+ 6	20,087.40	11,479.73
+ 5	16,739.50	9,566.44
+ 4	13,391.60	7,653.15
+ 3	10,043.70	5,739.87
+ 2	6,695.80	3,826.58
+ 1	3,347.90	1,913.29
0	0.00	0.00
- 1	(3,198.30)	(1,913.29)
- 2	(6,396.60)	(3,826.58)
- 3	(9,594.90)	(5,739.87)
- 4	(12,793.20)	(7,653.15)
- 5	(15,991.50)	(9,566.44)
- 6	(19,189.80)	(11,479.73)
- 7	(22,388.10)	(13,393.02)
- 8	(25,586.40)	(15,306.31)
- 9	(28,784.70)	(17,219.60)
- 10	(31,983.00)	(19,132.89)

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GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS

ESTIMATED

FLORIDA POWER & LIGHT COMPANY
PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

LINE 1	BEGINNING OF PERIOD BALANCE OF COMMON EQUITY		\$	4,681,246,000	
	END OF MONTH BALANCE OF COMMON EQUITY				
LINE 2	MONTH OF OCTOBER	96	\$	4,649,146,000	
LINE 3	MONTH OF NOVEMBER	96	\$	4,647,052,000	
LINE 4	MONTH OF DECEMBER	96	\$	4,693,507,000	
LINE 5	MONTH OF JANUARY	97	\$	4,688,885,000	
LINE 6	MONTH OF FEBRUARY	97	\$	4,680,193,000	
LINE 7	MONTH OF MARCH	97	\$	4,685,370,000	
LINE 8	MONTH OF APRIL	97	\$	4,695,651,000	
LINE 9	MONTH OF MAY	97	\$	4,714,101,000	
LINE 10	MONTH OF JUNE	97	\$	4,725,195,000	
LINE 11	MONTH OF JULY	97	\$	4,739,833,000	
LINE 12	MONTH OF AUGUST	97	\$	4,748,203,000	
LINE 13	MONTH OF SEPTEMBER	97	\$	4,772,553,000	
LINE 14	AVERAGE COMMON EQUITY FOR THE PERIOD (SUMMATION OF LINE1 THROUGH LINE 13 DIVIDED BY 13)		\$	4,701,610,000	
LINE 15	50 BASIS POINTS			0.0025	
LINE 16	REVENUE EXPANSION FACTOR			60.4525%	
LINE 17	MAXIMUM ALLOWED INCENTIVE DOLLARS (LINE 14 TIMES LINE 15 DIVIDED BY LINE 16)		\$	19,443,406	
LINE 18	JURISDICTIONAL SALES			78,790,428,000	KWH
LINE 19	TOTAL SALES			80,069,171,000	KWH
LINE 20	JURISDICTIONAL SEPARATION FACTOR (LINE 16 DIVIDED BY LINE 19)			98.40%	
LINE 21	MAXIMUM ALLOWED JURISDICTIONAL INCENTIVE DOLLARS		\$	10,132,885	

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GPIF TARGET AND RANGE SUMMARY

 FLORIDA POWER & LIGHT COMPANY
 PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

Plant / Unit	Weighting	EAF	EAF Range		Max.	Max.
	Factor	Target	Max.	Min.	Fuel Savings	Fuel Loss
	(%)	(%)	(%)	(%)	(\$000's)	(\$000's)
Cape Canaveral 1	0.12	93.5	96.0	91.0	41.74	41.73
Cape Canaveral 2	0.10	92.7	95.2	90.2	34.84	34.78
Lauderdale 4	0.98	93.4	95.4	91.4	326.87	326.84
Lauderdale 5	0.97	91.8	93.8	89.8	324.91	324.95
Fort Myers 2	0.21	76.1	78.6	73.6	69.73	70.2
Martin 3	1.32	95.2	97.2	93.2	441.67	441.71
Martin 4	1.94	86.6	90.1	83.1	650.06	766.52
Port Everglades 3	0.14	94.9	97.4	92.4	47.38	47.49
Port Everglades 4	0.14	78.1	81.1	75.1	46.56	46.61
Putnam 1	0.47	89.3	91.8	86.8	157.13	157.09
Putnam 2	0.34	87.8	89.8	85.8	114.84	114.91
Turkey Point 3	9.95	82.1	85.1	79.1	3330.17	3331.8
Turkey Point 4	10.85	89.2	92.2	86.2	3633.33	3635.35
St. Lucie 1	20.17	75.0	79.5	70.5	6753.2	6757.76
St. Lucie 2	9.84	81.2	84.2	78.2	3292.98	3294.93
Scherer 4	2.92	86.6	89.1	84.1	976.66	609.45
	<u>60.46</u>				<u>20242.1</u>	<u>20002.1</u>

GPIF TARGET AND RANGE SUMMARY

FLORIDA POWER & LIGHT COMPANY

PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

Plant / Unit	Weighting Factor (%)	ANOHR TARGET		ANOHR RANGE		Max. Fuel Savings	Max. Fuel Loss
		BTU/KWH	NOF	BTU/KWH	BTU/KWH	(\$000's)	(\$000's)
Cape Canaveral 1	1.49	9428	75.2	9217	9639	499.5	499.5
Cape Canaveral 2	1.42	9479	78.4	9276	9681	476.2	476.2
Lauderdale 4	3.06	7277	100	7031	7523	1024.4	1024.4
Lauderdale 5	1.26	7270	100	7125	7415	420.3	420.3
Fort Myers 2	3.05	9343	87.8	9082	9603	1021.4	1021.4
Martin 3	0.53	6922	100	6819	7024	176.2	176.2
Martin 4	1.28	6902	100	6759	7044	429.2	429.2
Port Everglades 3	1.93	9462	82.9	9272	9653	646.8	646.8
Port Everglades 4	2.65	9539	74.8	9264	9813	888.5	888.5
Putnam 1	1.74	8705	100	8416	8993	583.7	583.7
Putnam 2	1.65	8489	97.2	8193	8785	553.9	553.9
Turkey Point 3	5.50	11024	100	10780	11268	1642.8	1463.0
Turkey Point 4	5.07	11066	100	10844	11287	1697.4	1308.6
St.Lucie 1	2.30	10912	100	10791	11032	769.9	563.2
St.Lucie 2	5.85	10935	100	10711	11159	1956.9	1676.2
Scherer 4	0.75	9994	93.8	9888	10100	250.2	250.2
	<u>39.54</u>					<u>13237.19</u>	<u>11981.26</u>

**PROJECTED UNIT HEAT RATE EQUATIONS
FLORIDA POWER & LIGHT COMPANY
OCTOBER, 1996 THROUGH SEPTEMBER, 1997**

<u>Plant/Unit</u>	<u>ANOHR Equation</u>									
	<u>ANOHR</u>	<u>NOF</u>	<u>NSC*</u>	<u>a</u>	<u>b</u>	<u>Bounds</u>	<u>R-sqr</u>	<u>First</u>	<u>Last</u>	<u>Exclusions</u>
Cape Canaveral 1	9428	75.2	397	10053.0	-8.31	211.2	0.33	04-93	03-96	10-93,11-93
Cape Canaveral 2	9479	78.4	397	10016.7	-6.88	202.6	0.23	04-93	03-96	
Lauderdale 4	7277	100.0	430	8437.6	-11.60	246.2	0.24	05-93	03-96	05-94
Lauderdale 5	7270	100.0	430	9104.9	-18.35	145.0	0.52	06-93	03-96	11-93
Fort Myers 2	9343	87.8	391	10532.2	-13.55	260.7	0.46	10-93	03-96	03-94
Martin 3	6922	100.0	430	7413.3	-4.92	102.6	0.32	04-94	03-96	
Martin 4	6902	100.0	430	7173.8	-2.72	142.4	0.24	04-94	03-96	
Port Everglades 3	9462	82.9	397	11164.3	-20.53	190.6	0.74	04-93	03-96	03-94
Port Everglades 4	9539	74.8	386	11198.4	-22.19	274.6	0.70	04-93	03-96	
Pulham 1	8705	100.0	239	9307.9	-6.03	288.5	0.13	04-93	03-96	03-94
Pulham 2	8489	97.2	239	9847.1	-13.97	295.9	0.35	04-93	03-96	03-95
Turkey Point 3	11024	100.0	666	13299.0	-22.75	243.6	0.33	04-93	03-96	04-94, 05-94, 09-95
Turkey Point 4	11066	100.0	666	14686.5	-36.21	221.4	0.57	06-93	02-96	10-94,11-94
St. Lucie 1	10912	100.0	839	13368.0	-24.56	120.8	0.58	07-93	03-96	11-94, 08-95, 09-95
St. Lucie 2	10935	100.0	714	13831.3	-28.96	224.1	0.87	04-93	03-96	02-94, 03-94, 10-95 - 12-95
Scherer 4	9994	93.8	625	9996.4	-0.02	106.1	0.04	02-94	03-96	12-95

Issued By: Florida Power & Light Company

110289

Docket No.: 960001-EI
FPL Witness: R. Silva
Exhibit No.: _____
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Original Sheet No. 7.201.008

DERRIVATION OF WEIGHT FACTORS

FLORIDA POWER & LIGHT COMPANY
PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

PRODUCTION COSTING SIMULATION
FUEL COST (\$000'S)

Unit	Performance Indicator	At Target (1)	At Maximum Improvement (2)	Savings (3)	Factor (% Of Savings)
Cape Canaveral 1	EAF	906794	906836	41.7	0.12
	ANHR	906794	907293	499.5	1.49
Cape Canaveral 2	EAF	906794	906829	34.8	0.10
	ANHR	906794	907270	473.2	1.42
Ft. Lauderdale 4	EAF	906794	907121	326.9	0.98
	ANHR	906794	907818	1024.4	3.06
Ft Lauderdale 5	EAF	906794	907119	324.9	0.97
	ANHR	906794	907214	420.3	1.26
Ft. Myers 2	EAF	906794	906864	69.7	0.21
	ANHR	906794	907815	1021.4	3.05
Martin 3	EAF	906794	907236	441.7	1.32
	ANHR	906794	906970	176.2	0.53
Martin 4	EAF	906794	907444	650.1	1.94
	ANHR	906794	907223	429.2	1.28
Port Everglades 3	EAF	906794	906841	47.4	0.14
	ANHR	906794	907441	646.8	1.93
Port Everglades 4	EAF	906794	906841	46.6	0.14
	ANHR	906794	907683	888.5	2.65
Putnam 1	EAF	906794	906951	157.1	0.47
	ANHR	906794	907378	583.7	1.74
Putnam 2	EAF	906794	906909	114.8	0.34
	ANHR	906794	907348	553.9	1.65
Turkey Point 3	EAF	906794	910124	3330.2	9.95
	ANHR	906794	908637	1842.8	5.50
Turkey Point 4	EAF	906794	910427	3633.3	10.85
	ANHR	906794	908491	1697.3	5.07
St. Lucie 1	EAF	906794	913547	6753.2	20.17
	ANHR	906794	907564	769.8	2.30
St. Lucie 2	EAF	906794	910087	3293.0	9.84
	ANHR	906794	908751	1956.9	5.85
Scherer 4	EAF	906794	907771	976.7	2.92
	ANHR	906794	907044	250.2	0.75
TOTAL				33479.3	100.00

(1) FUEL ADJUSTMENT BASE CASE - ALL UNIT PERFORMANCE INDICATORS AT TARGET

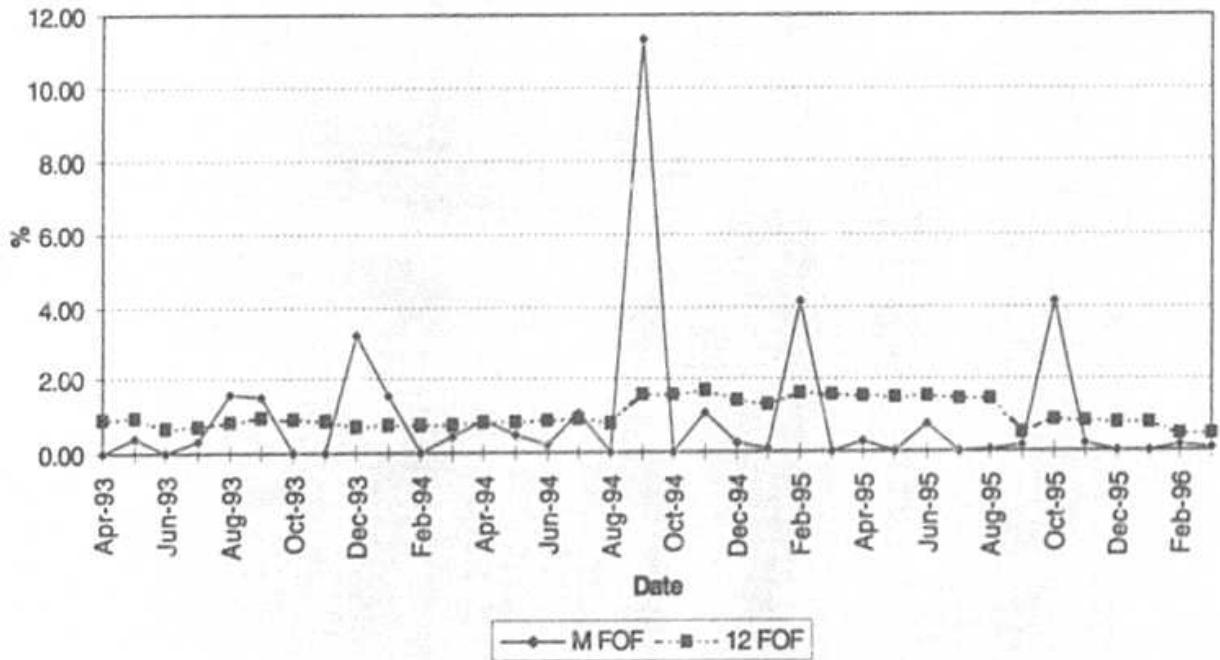
(2) ALL OTHER UNIT PERFORMANCE AT TARGET

(3) EXPRESSED IN REPLACEMENT ENERGY COSTS.

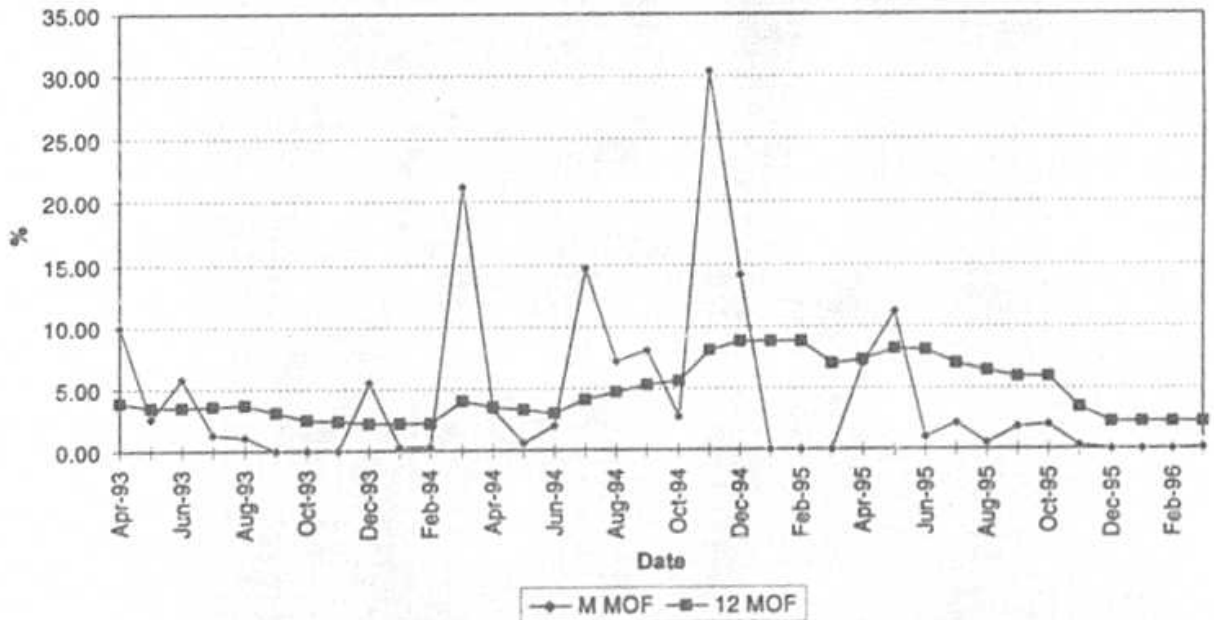
ESTIMATED UNIT PERFORMANCE DATA
 FLORIDA POWER & LIGHT COMPANY
 OCTOBER, 1996 THROUGH SEPTEMBER, 1997

<u>Plant/Unit</u>	<u>EAF</u>	<u>EPOF</u>	<u>EUOF</u>	<u>EUOR</u>	<u>PH</u>	<u>SH</u>	<u>RSH</u>	<u>UH</u>	<u>EPOH</u>	<u>EFOH</u>	<u>EMOH</u>	<u>NET GEN</u>
Cape Canaveral 1	93.5	0.0	6.5	16.6	8760	2868	5322.6	569.4	0.0	175.2	394.2	1039731
Cape Canaveral 2	92.7	0.0	7.3	17.1	8760	3101	5019.5	639.5	0.0	175.2	464.3	1134944
Lauderdale 4	93.4	2.7	3.9	7.6	8760	4132	4049.8	578.2	236.5	175.2	166.4	1774481
Lauderdale 5	91.8	4.4	3.8	7.5	8760	4120	3921.7	718.3	385.4	166.4	166.4	1773035
Fort Myers 2	76.1	19.2	4.7	10.7	8760	3423	3243.4	2093.6	1681.9	157.7	254.0	1189646
Martin 3	95.2	1.5	4.0	8.4	8760	3844	4434.2	481.8	131.4	175.2	175.2	1655180
Martin 4	86.6	1.6	11.8	19.7	8760	4220	3366.2	1173.8	140.2	315.4	718.3	1786581
Port Everglades 3	94.9	0.0	5.1	13.3	8760	2921	5392.2	446.8	0.0	175.2	271.6	1056352
Port Everglades 4	78.1	15.3	6.6	14.0	8760	3558	3283.6	1918.4	1340.3	324.1	254.0	1239844
Putnam 1	89.3	5.5	7.2	13.7	8760	3958	3689.5	1112.5	481.8	411.7	219.0	936337
Putnam 2	87.8	7.7	4.3	8.5	8760	4059	3649.8	1051.2	674.5	157.7	219.0	966075
Turkey Point 3	82.1	12.3	5.6	10.5	8760	4196	2996.0	1568.0	1077.5	245.3	245.3	2795095
Turkey Point 4	89.2	4.4	6.2	12.9	8760	3670	4161.4	928.6	385.4	271.6	271.6	2444014
St. Lucie 1	75.0	0.0	25.0	43.7	8760	2821	3749.0	2190.0	0.0	1909.7	280.3	2367148
St. Lucie 2	81.2	12.3	6.2	11.5	8760	4186	2953.4	1620.6	1077.5	297.8	245.3	2989990
Scherer 4	86.6	7.7	5.7	11.1	8760	3988	3598.2	1173.8	674.5	341.6	157.7	2399406

PCC 1 FORCED OUTAGE FACTOR



MAINTENANCE OUTAGE FACTOR



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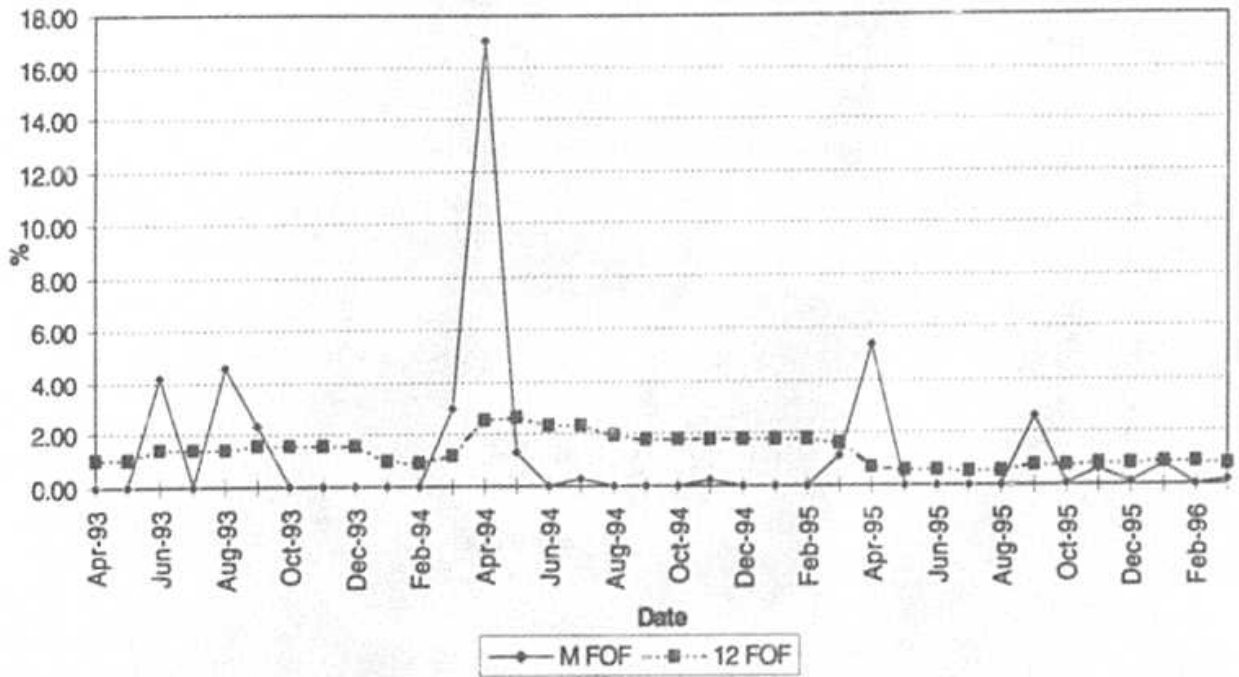
Docket No.: 960001-EI

FPL Witness: R. Silva

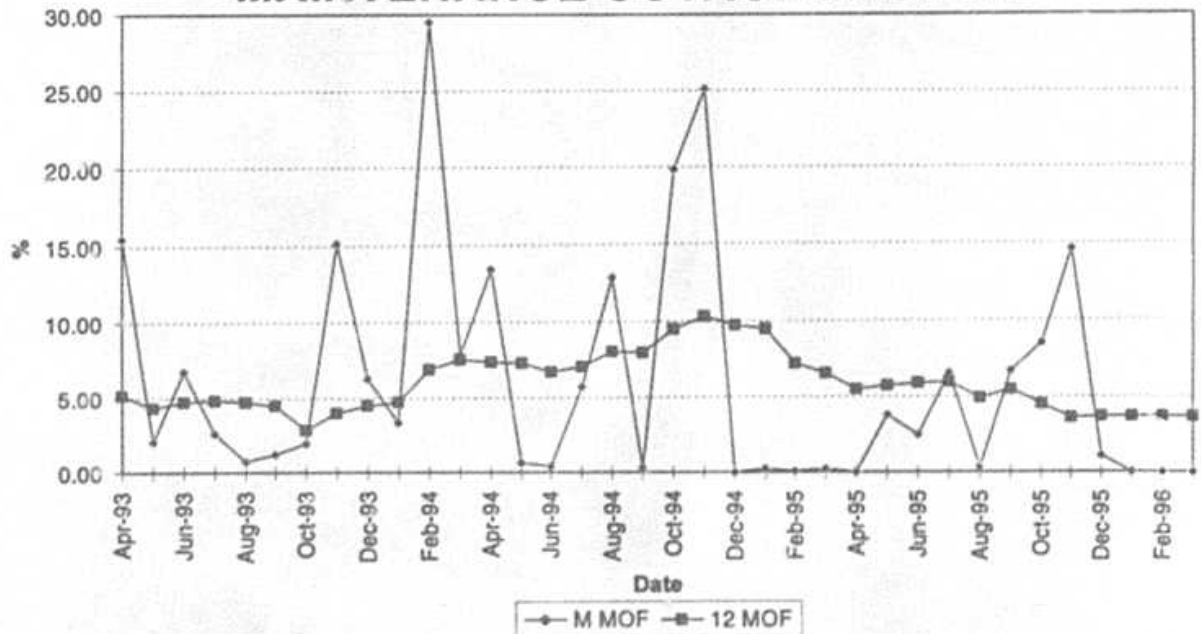
Exhibit No.:

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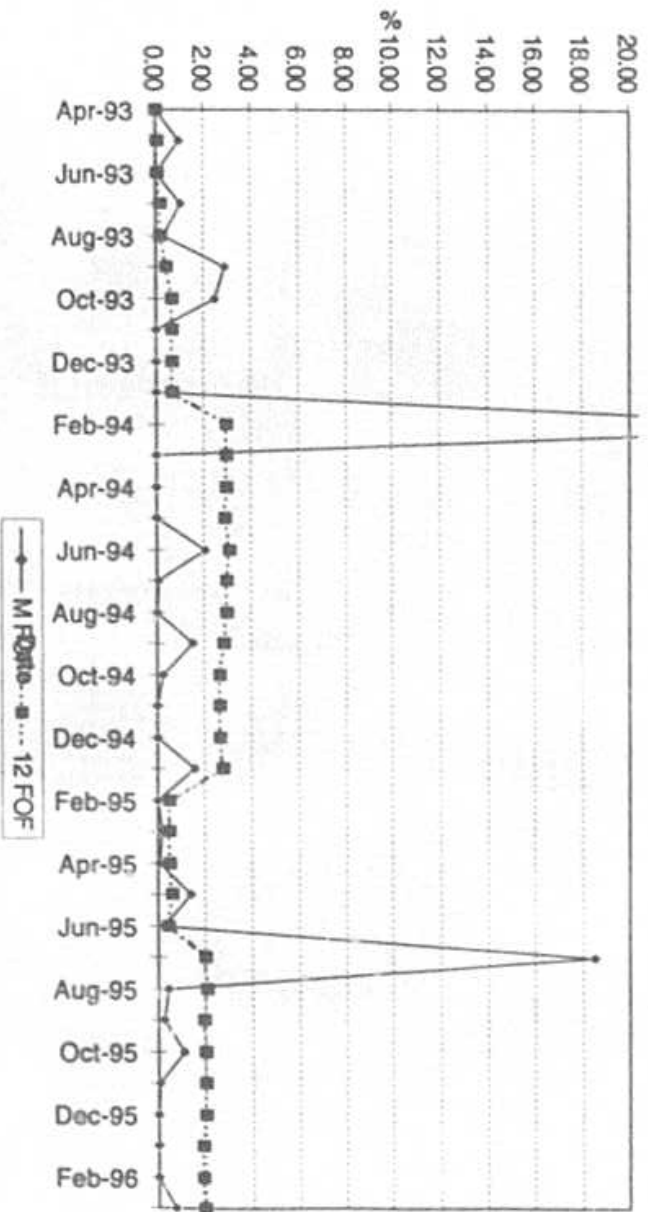
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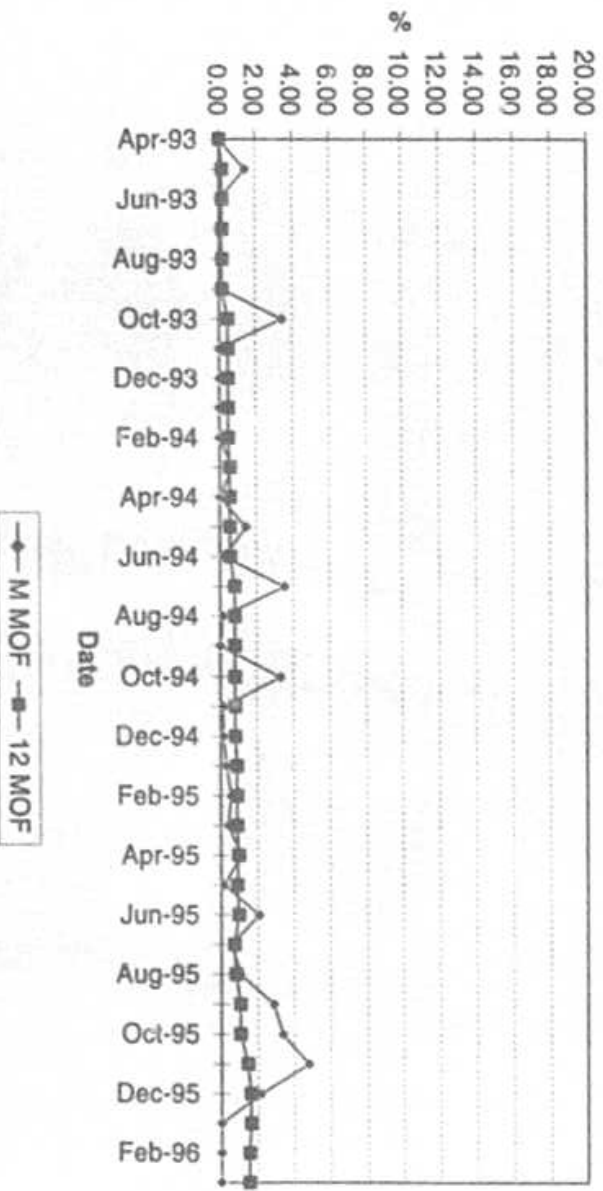
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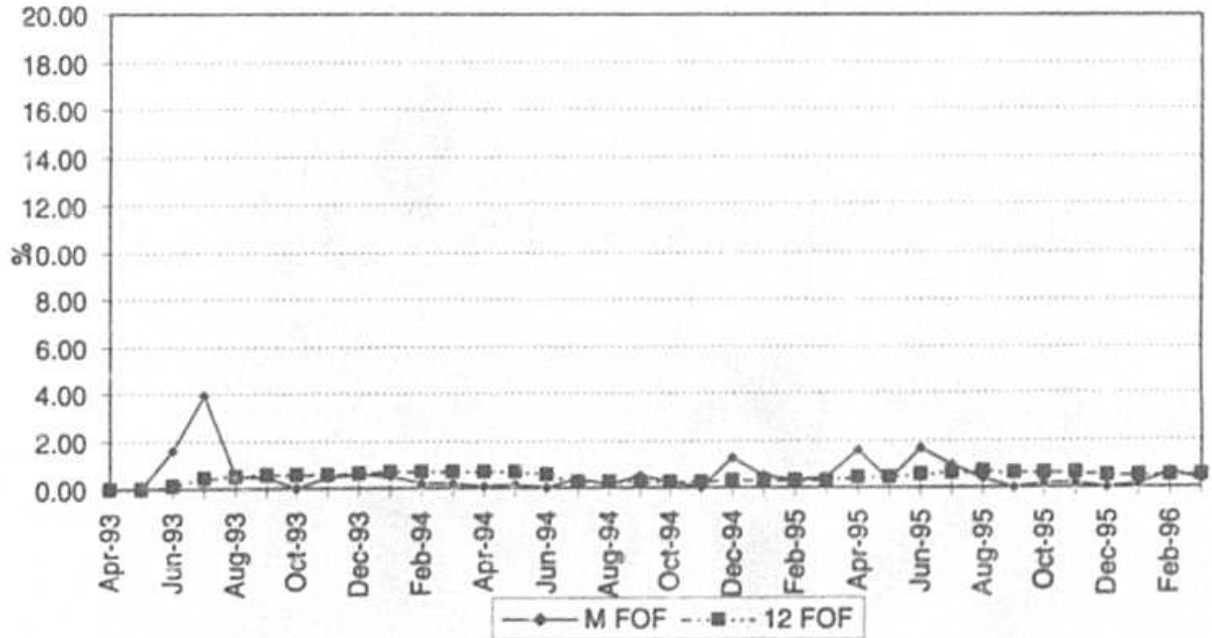
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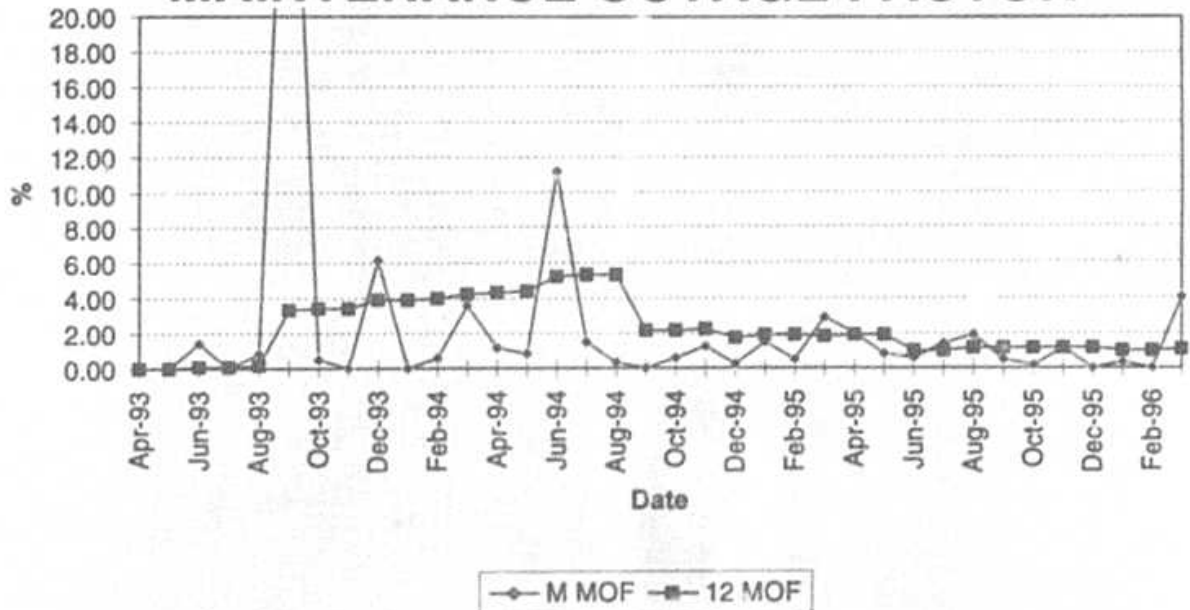
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 FPL Witness: R. Silva
 Exhibit No.:
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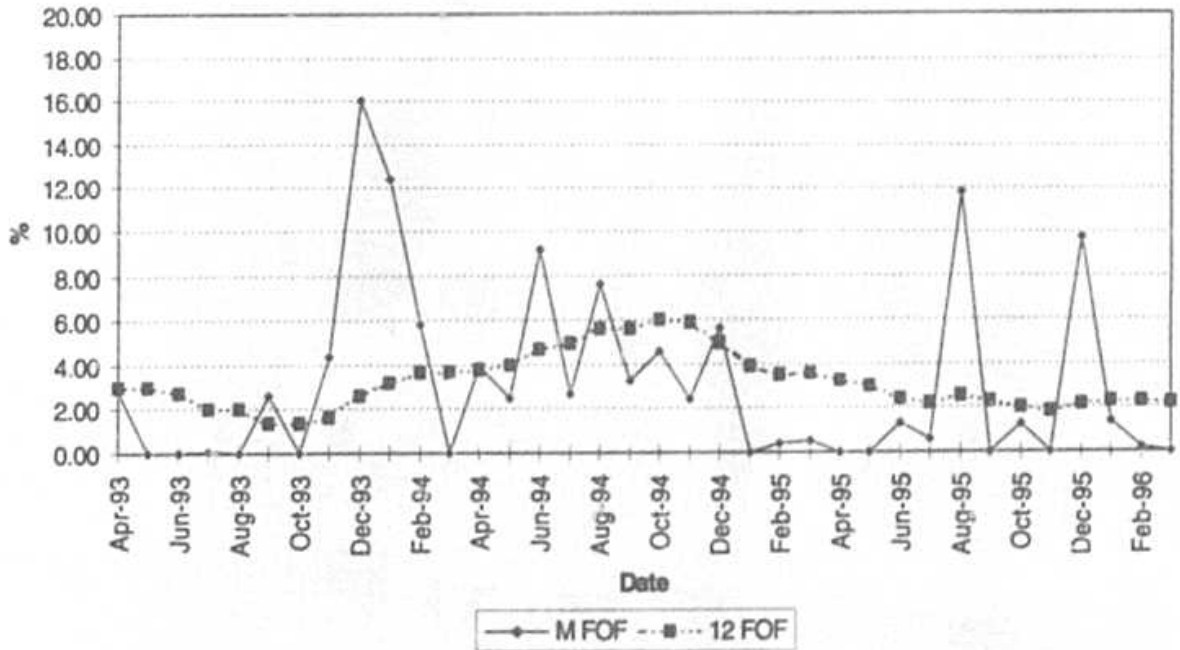
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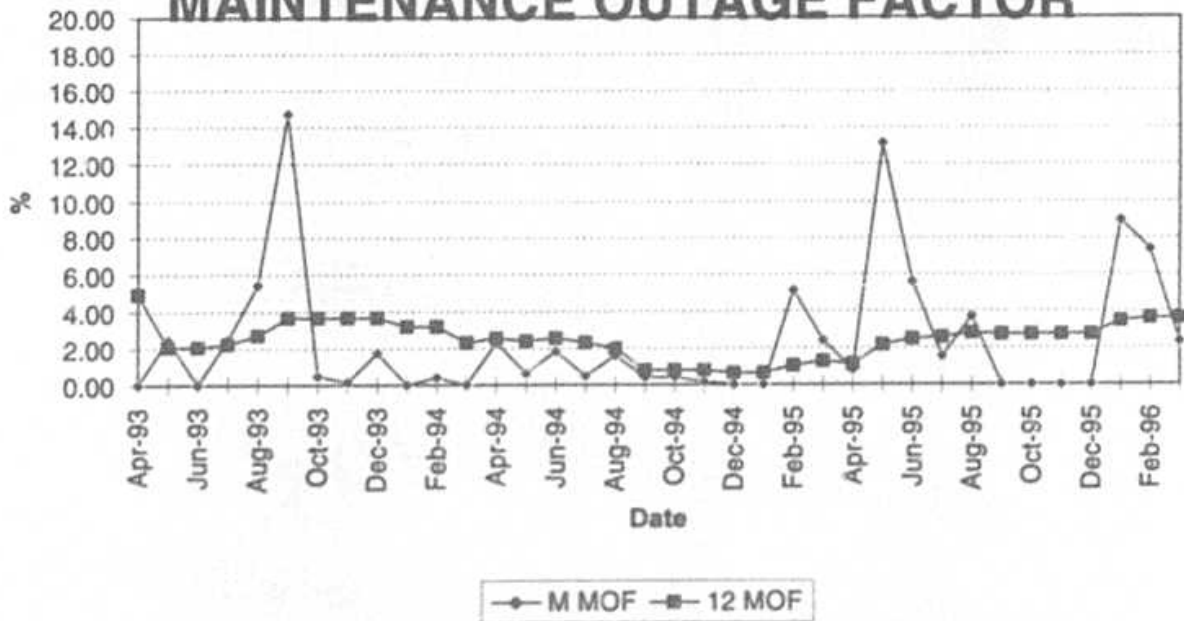
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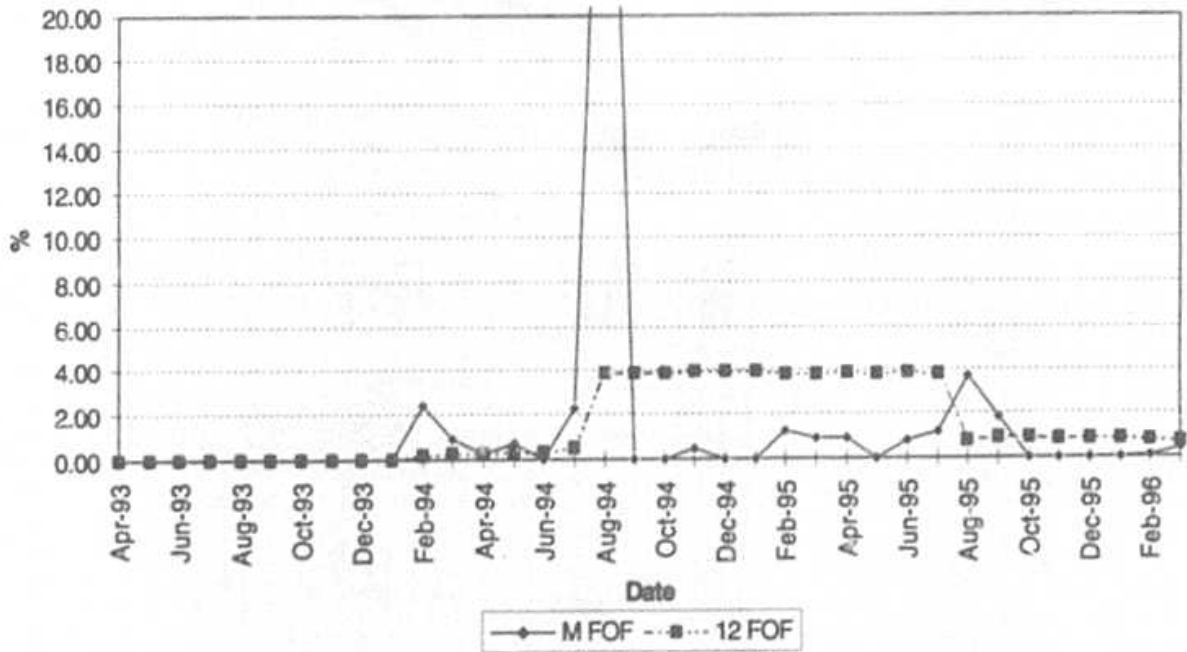
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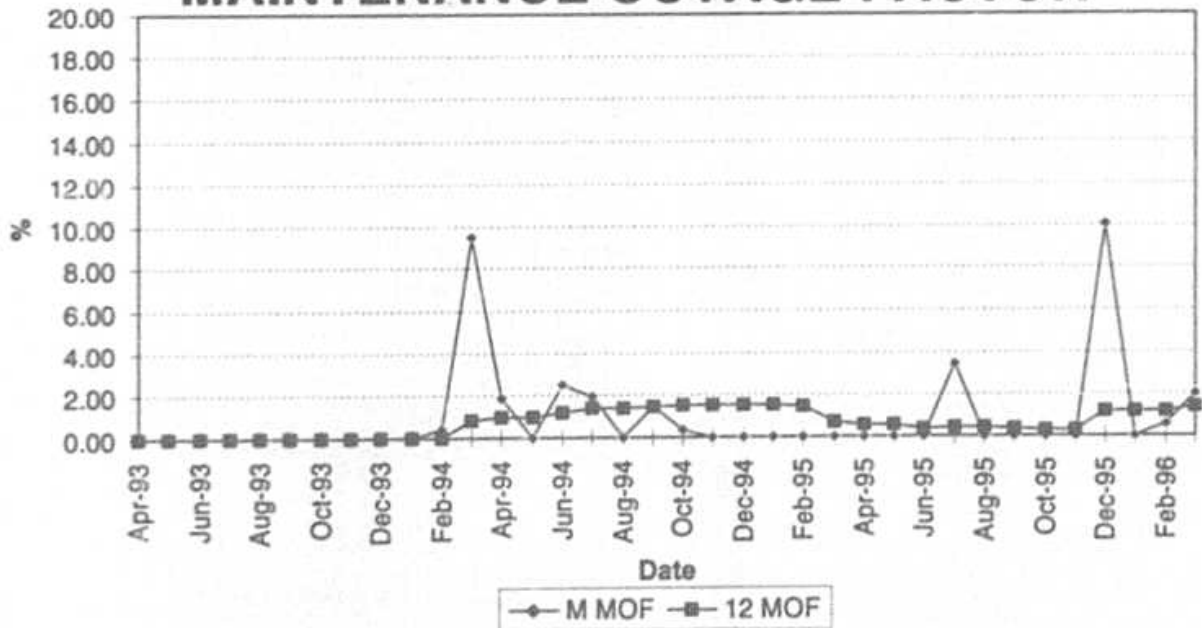
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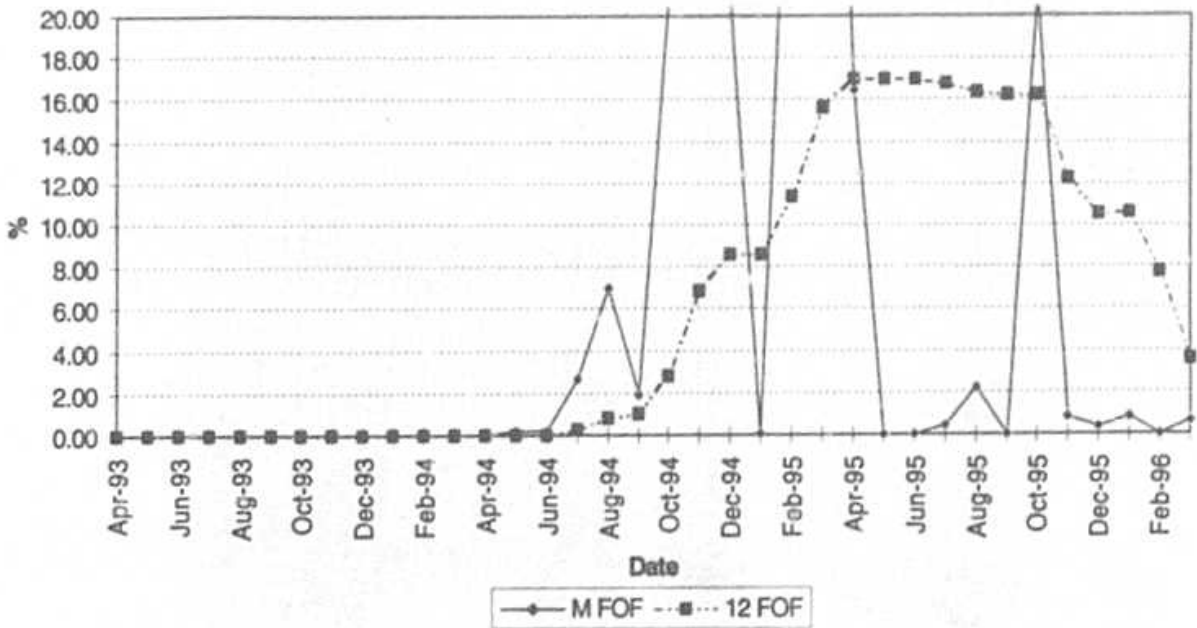
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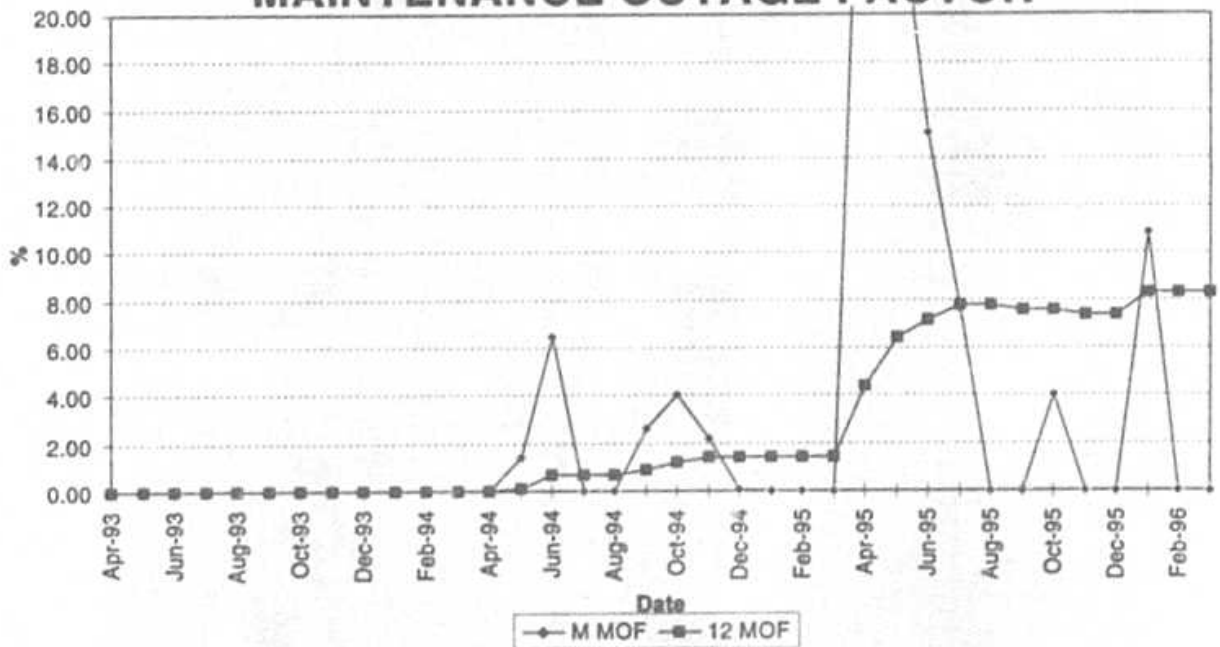
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PMG 4 FORCED OUTAGE FACTOR



MAINTENANCE OUTAGE FACTOR



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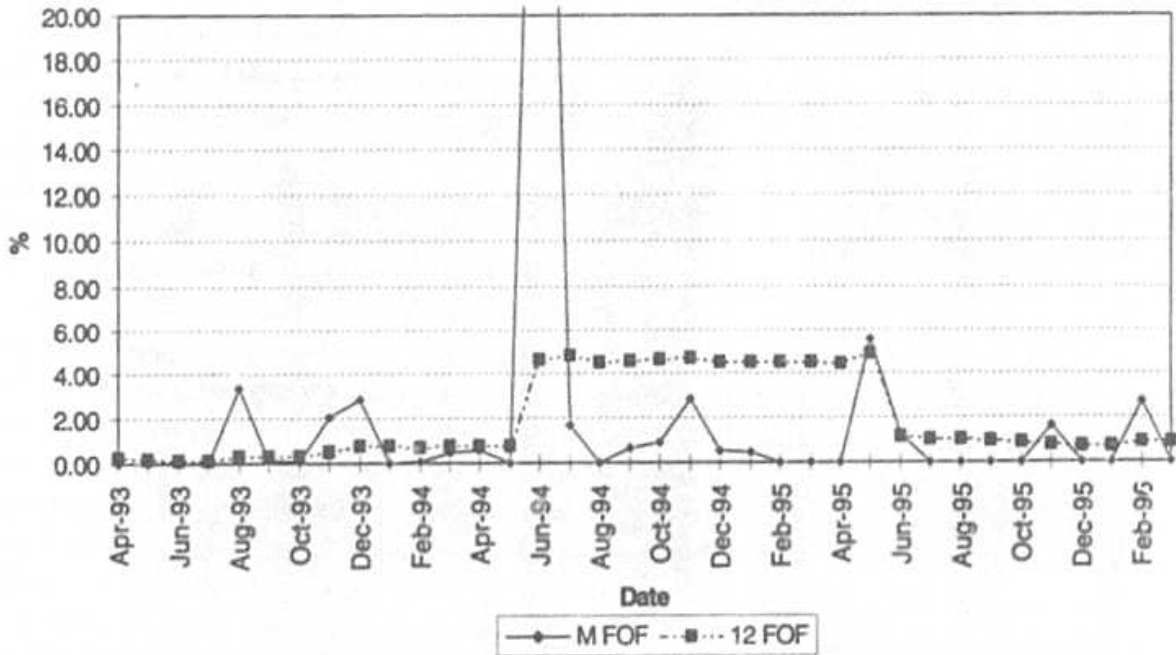
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FPL Witness: R. Silva

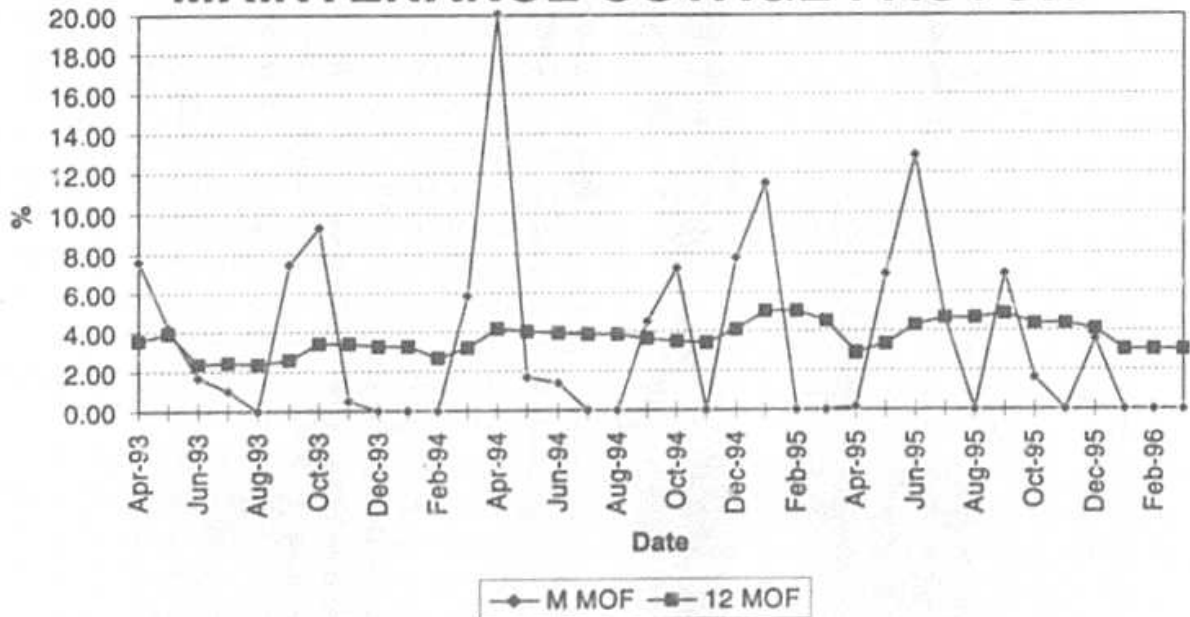
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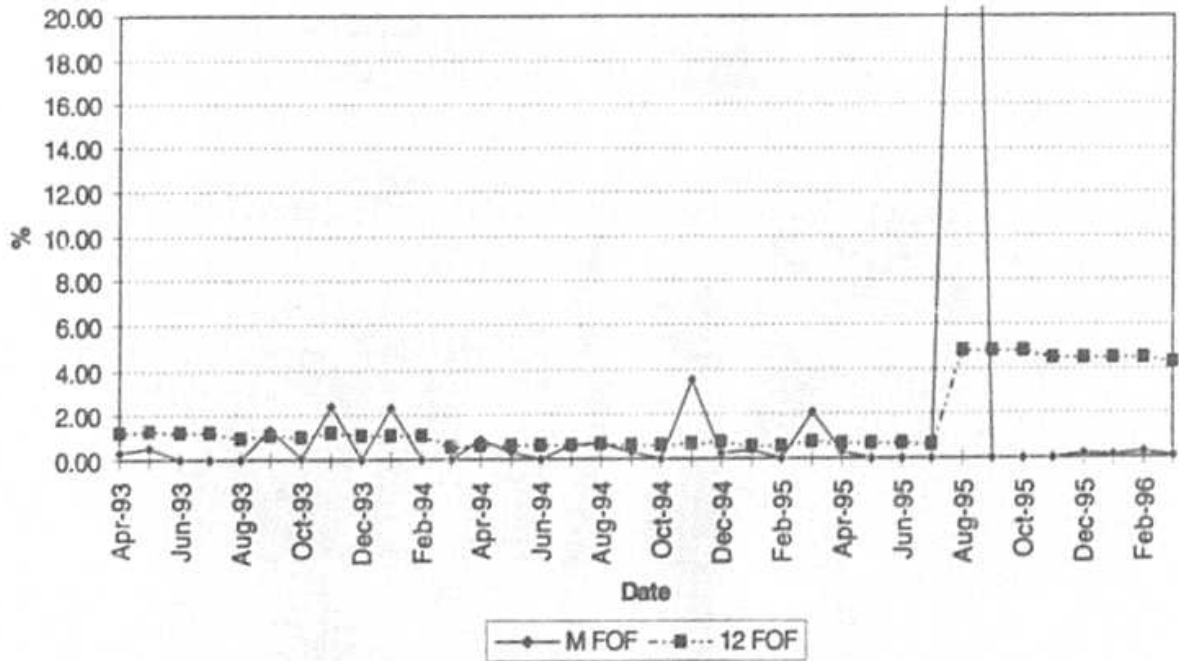
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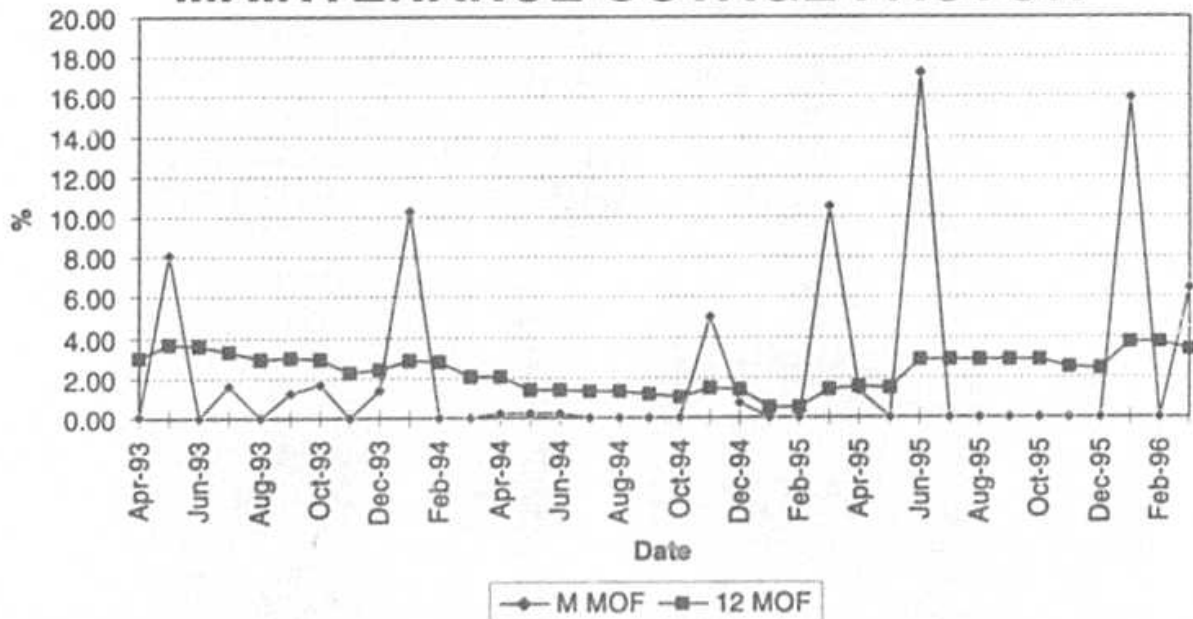
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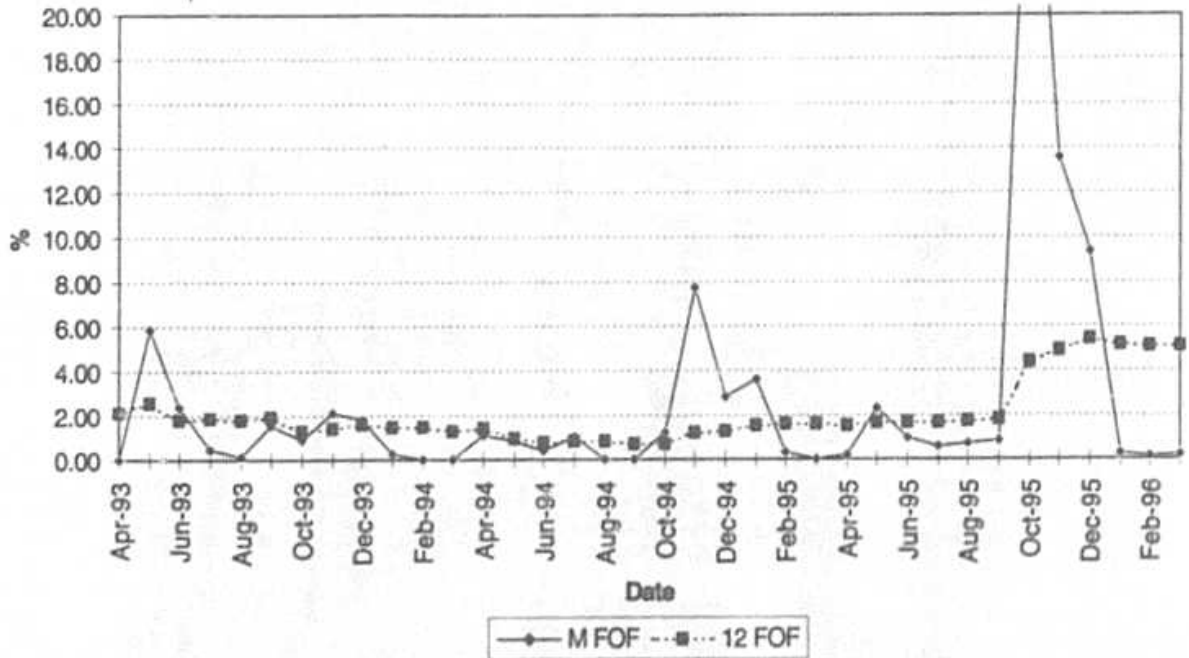
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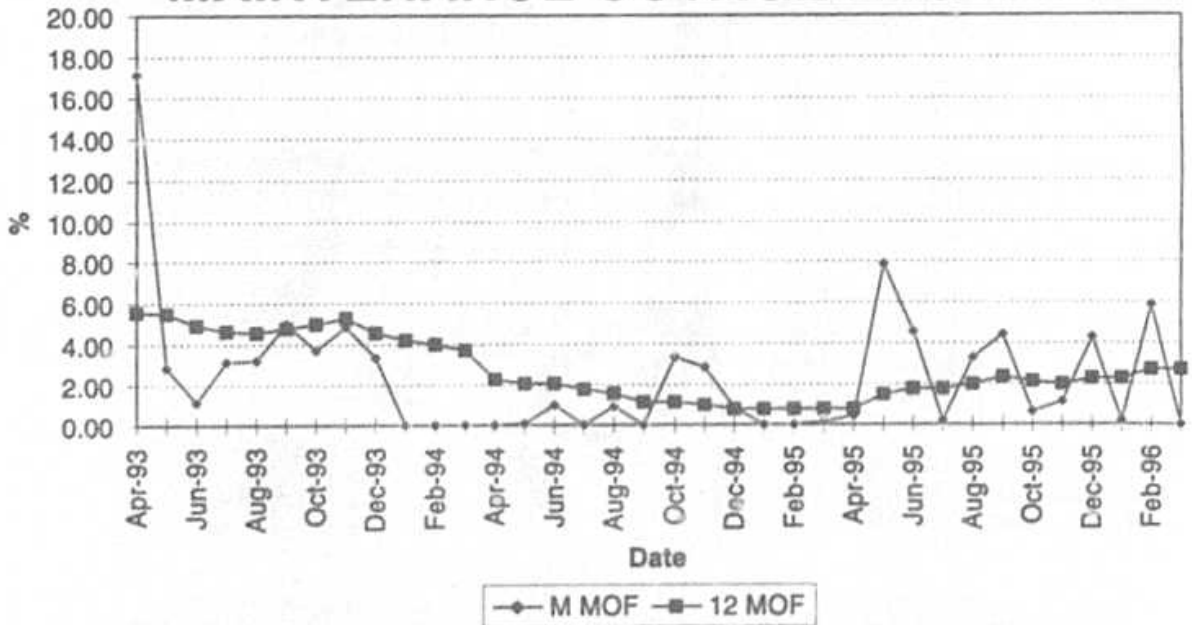
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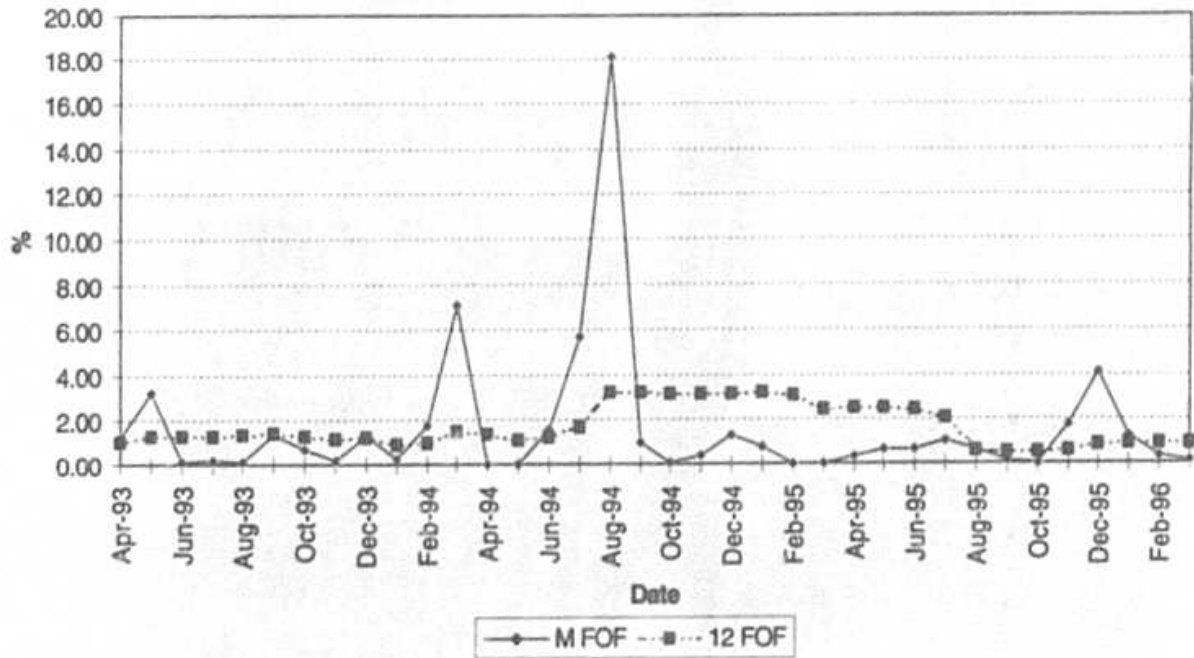
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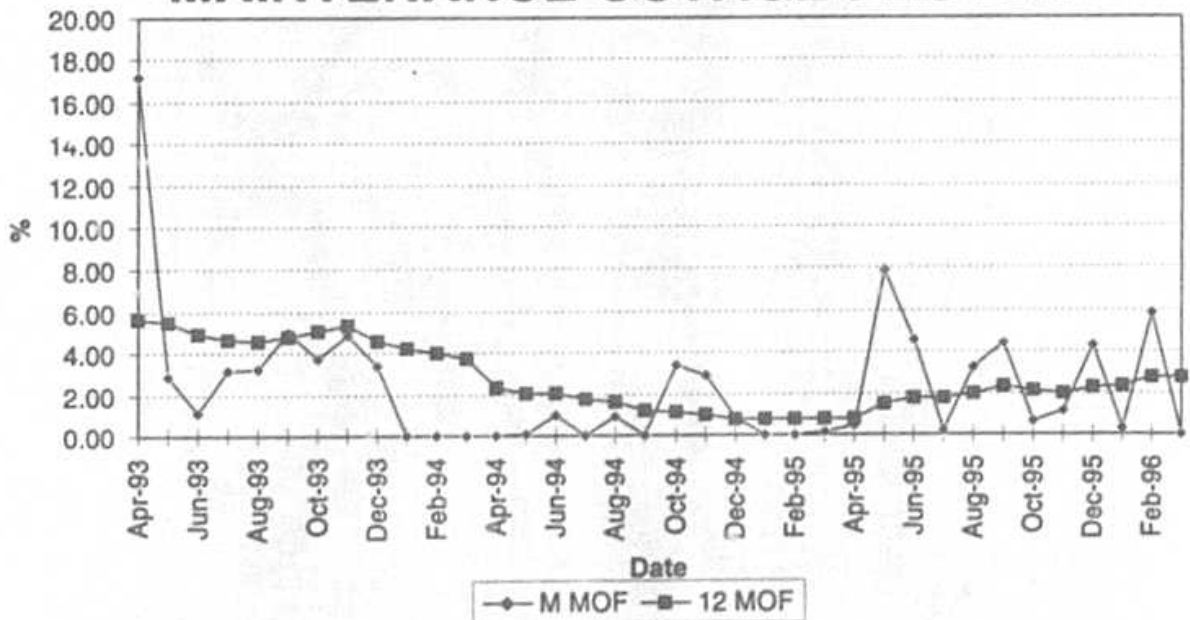
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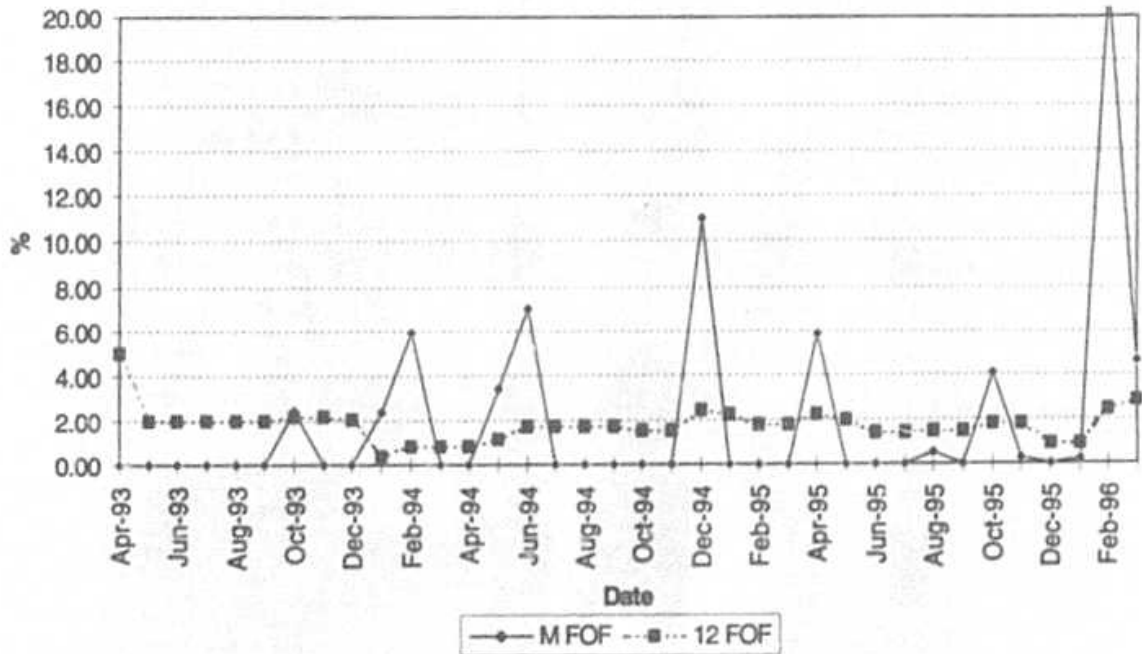
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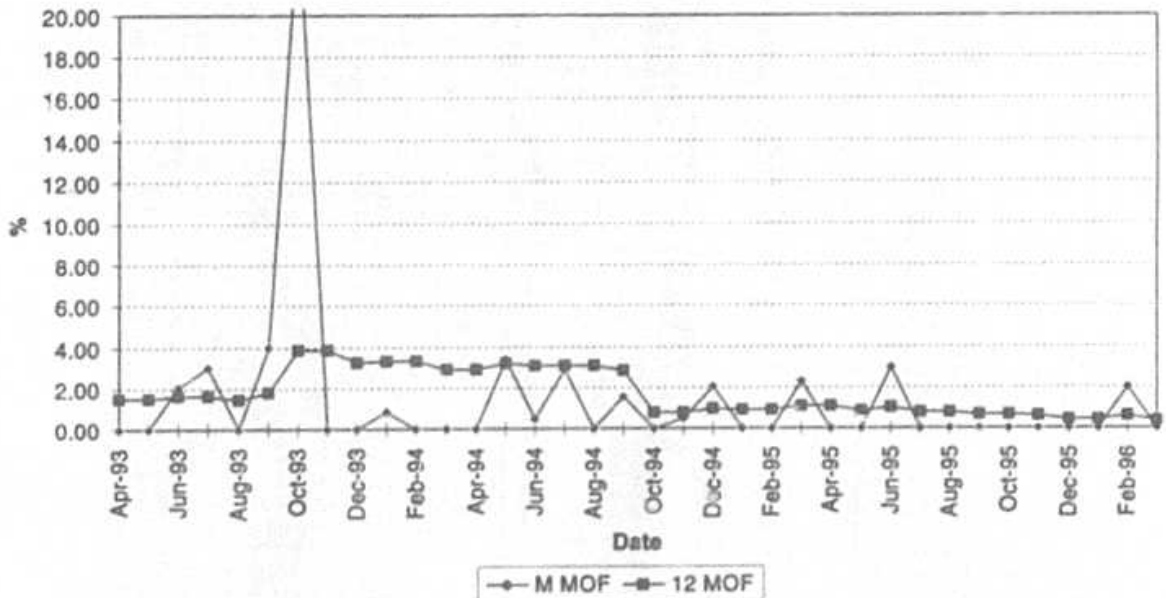
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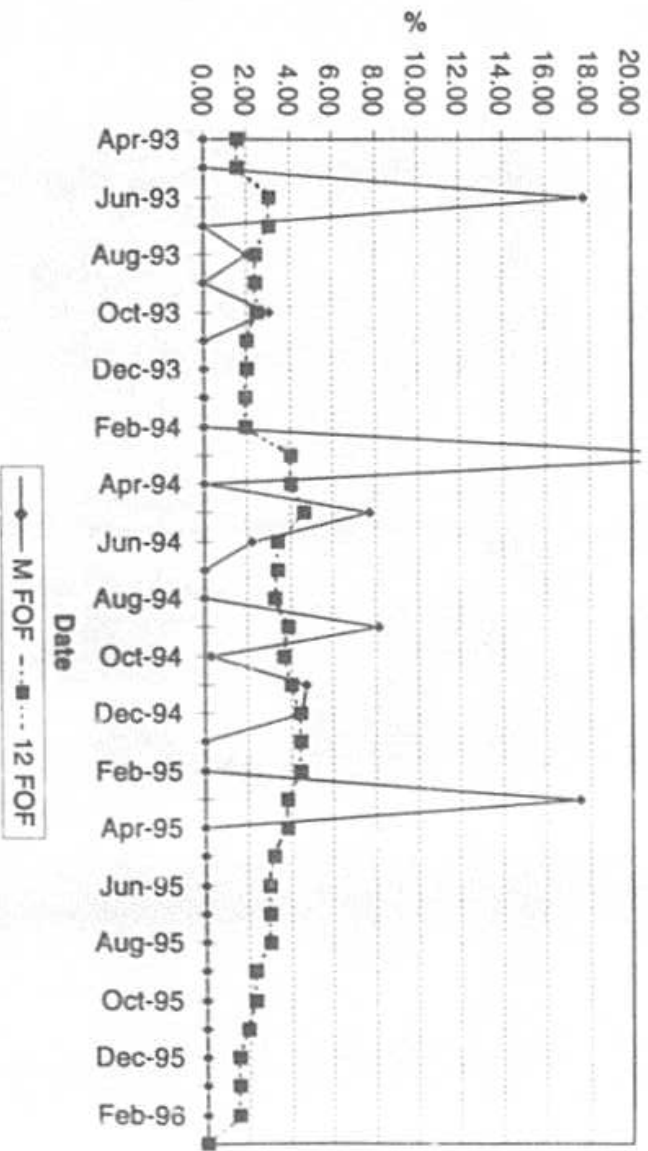
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FPL Witness: R. Silva

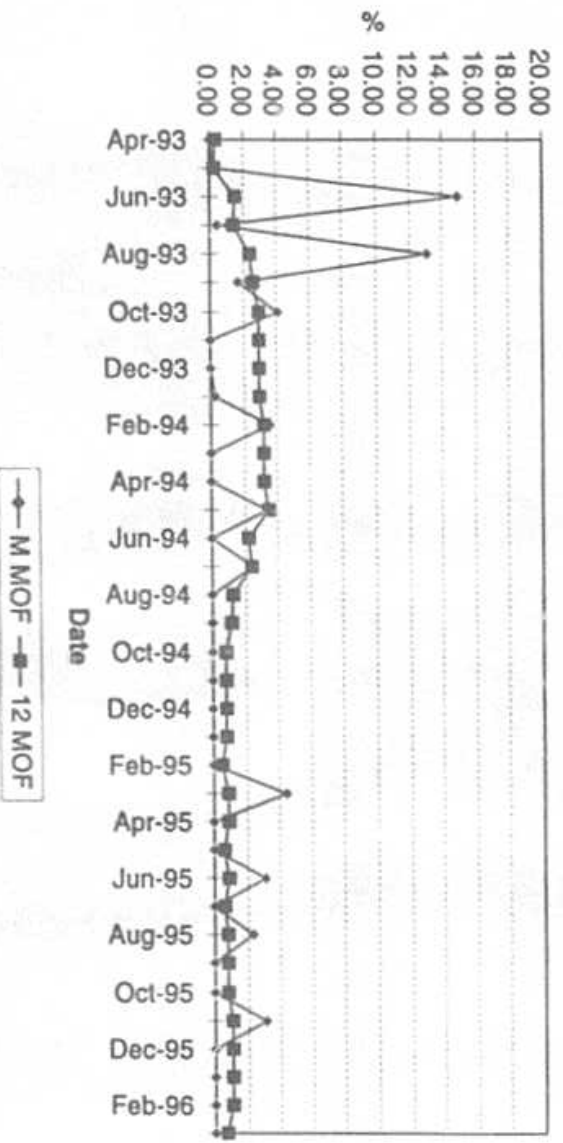
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PTN 4 FORCED OUTAGE FACTOR



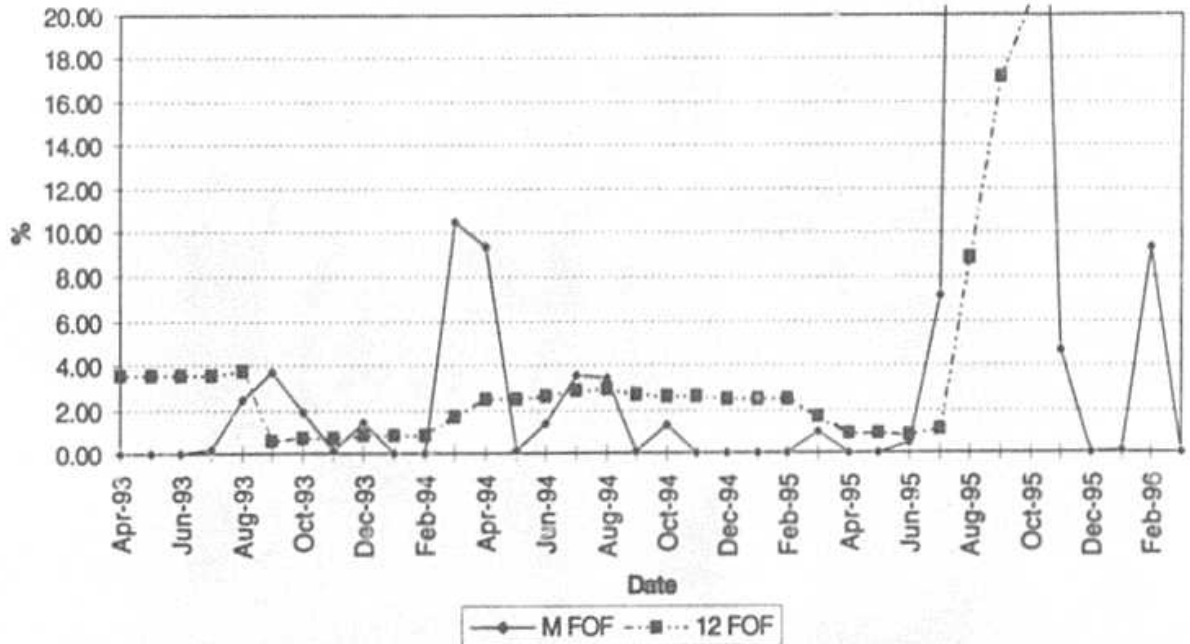
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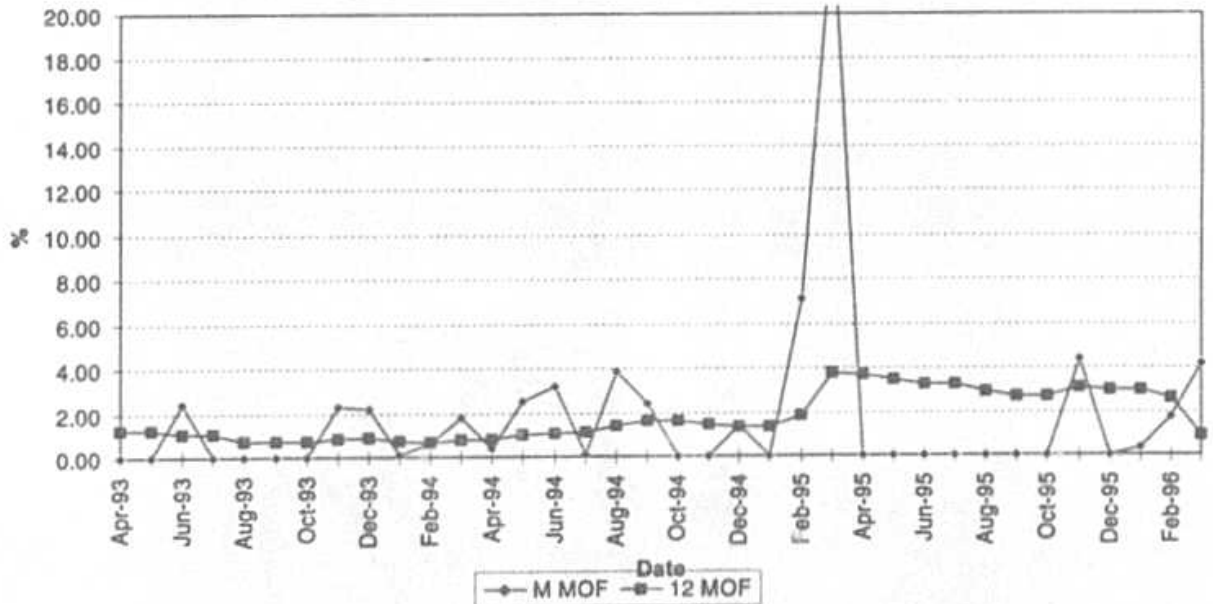
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 FPL Witness: R. Silva
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PSL 1 FORCED OUTAGE FACTOR



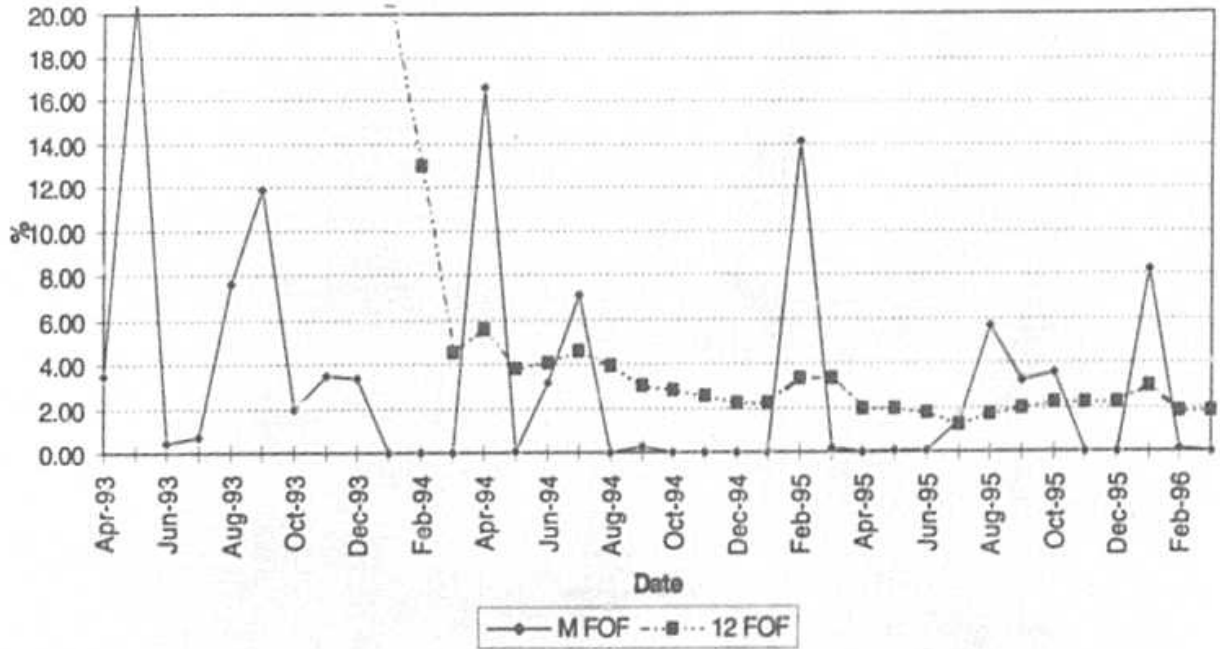
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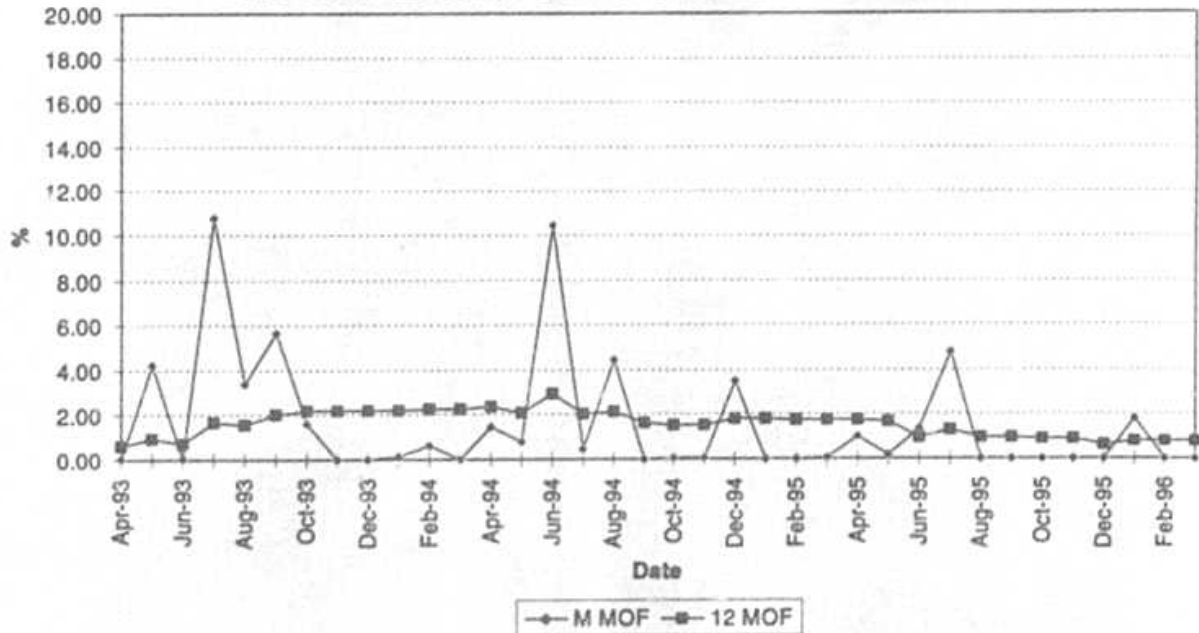
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PSL 2 FORCED OUTAGE FACTOR



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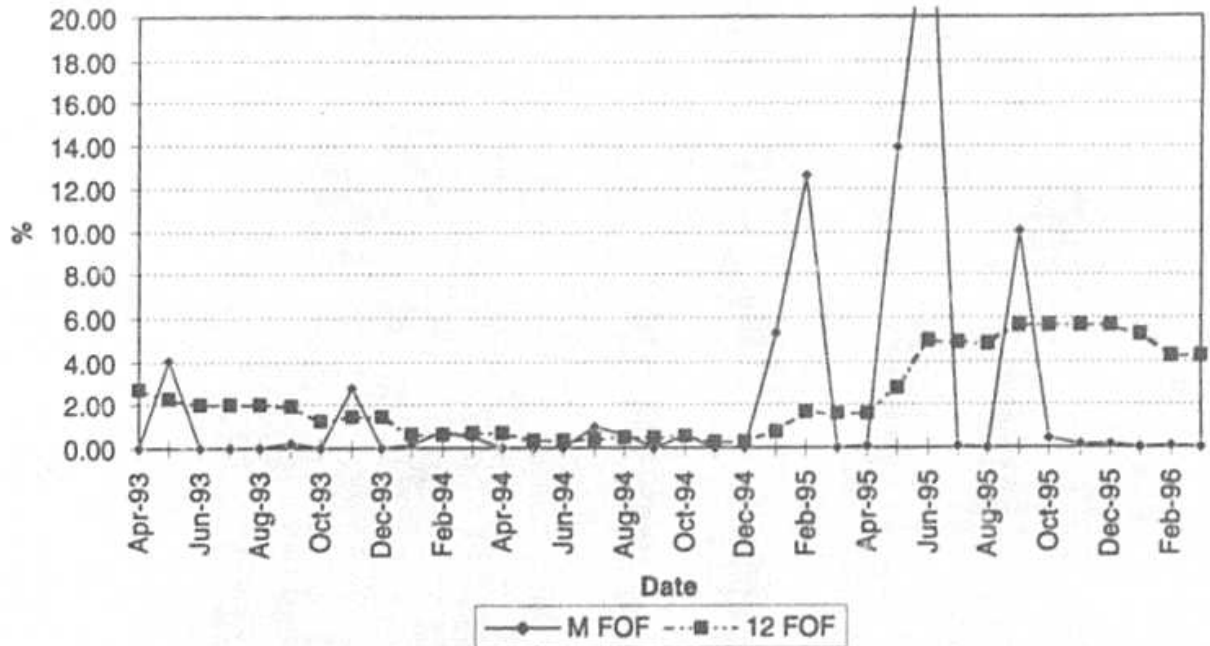
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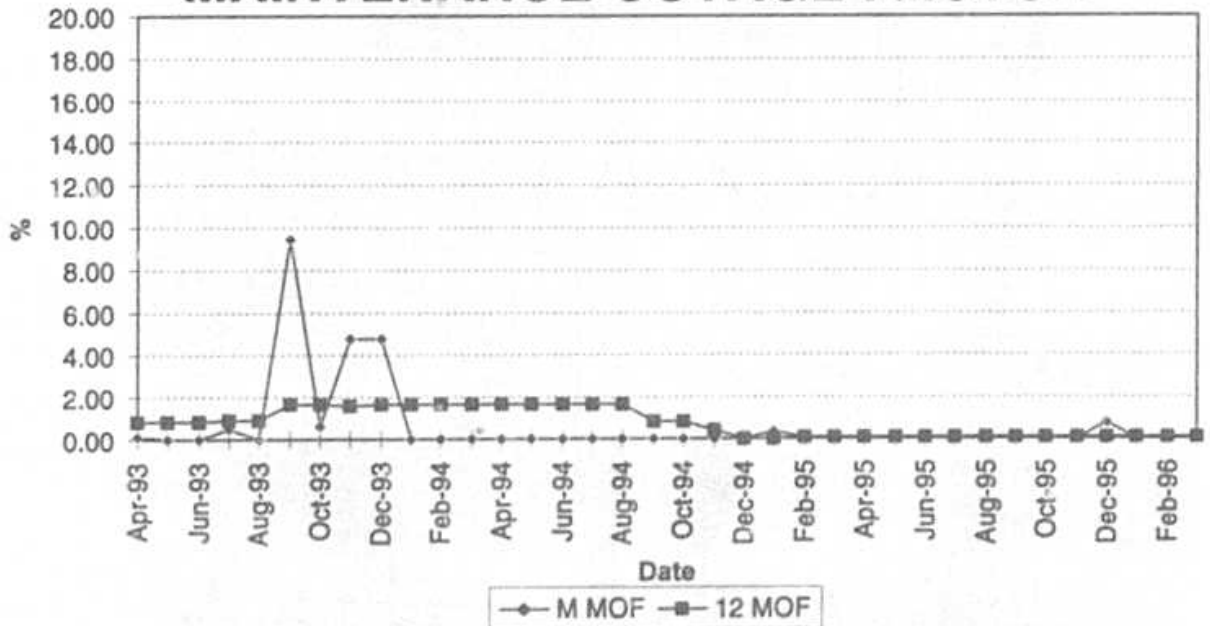
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PSG 4 FORCED OUTAGE FACTOR



MAINTENANCE OUTAGE FACTOR



PLANNED OUTAGE SCHEDULES (ESTIMATED)

FLORIDA POWER & LIGHT COMPANY

PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

<u>PLANT/UNIT</u>	<u>PLANNED OUTAGE DATES</u>	<u>REASON FOR OUTAGE (1)</u>	<u>LR MW</u>
CAPE CANAVERAL 1	NONE		
CAPE CANAVERAL 2	NONE		
LAUDERDALE 4	3/15/97 - 3/24/97	COMBUST. TURBINE OVERHAUL	430
LAUDERDALE 5	11/02/96 - 11/17/96	COMBUST. TURBINE OVERHAUL	430
FORT MYERS 2	10/05/96 - 12/13/96	MAJOR TURB./GEN. OVERHAUL	391
MARTIN 3	(10/ 1/96) - 10/ 5/96	COMBUST. TURBINE OVERHAUL	215
	5/10/97 - 5/15/97	COMBUST. TURBINE OVERHAUL	215
MARTIN 4	2/15/97 - 2/26/97	COMBUST. TURBINE OVERHAUL	215
PORT EVERGLADES 3	NONE		
PORT EVERGLADES 4	3/ 1/97 - 4/25/97	MAJOR TURB./GEN. OVERHAUL	391
PUTNAM 1	11/16/96 - 12/13/96	COMBUST. TURBINE OVERHAUL	120
	3/15/97 - 3/26/97	COMBUST. TURBINE OVERHAUL	120
PUTNAM 2	3/15/97 - 4/11/97	COMBUST. TURBINE OVERHAUL	120
	4/11/97 - 5/12/97	COMBUST. TURBINE OVERHAUL	120
TURKEY POINT 3	3/ 1/97 - 4/21/97	REFUELING OVERHAUL	666
TURKEY POINT 4	9/15/97 - (9/30/97)	REFUELING OVERHAUL	666
ST. LUCIE 1	NONE		
ST. LUCIE 2	4/15/97 - 5/29/97	REFUELING OVERHAUL	839
SCHERER 4	9/15/96 - 9/30/96	MAJOR TURB./GEN. OVERHAUL	844

(1) TO BE ACCOMPANIED BY A CRITICAL PATH BAR CHART OR MILESTONE DATE CHART OF MAJOR WORK ACTIVITY TO BE PERFORMED DURING THE OUTAGE.